

**SF-1 Polyclonal Antibody**

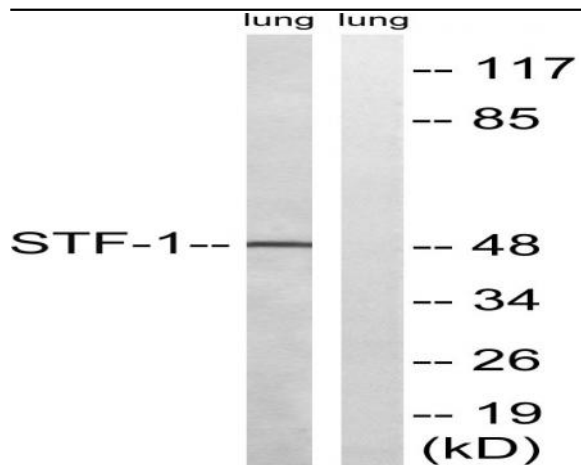
<b>Catalog No :</b>	YT4261
<b>Reactivity :</b>	Human;Mouse;Rat
<b>Applications :</b>	WB;ELISA;IHC
<b>Target :</b>	SF-1
<b>Fields :</b>	>>Cortisol synthesis and secretion;>>Cushing syndrome
<b>Gene Name :</b>	NR5A1
<b>Protein Name :</b>	Steroidogenic factor 1
<b>Human Gene Id :</b>	2516
<b>Human Swiss Prot No :</b>	Q13285
<b>Mouse Gene Id :</b>	26423
<b>Mouse Swiss Prot No :</b>	P33242
<b>Rat Gene Id :</b>	83826
<b>Rat Swiss Prot No :</b>	P50569
<b>Immunogen :</b>	The antiserum was produced against synthesized peptide derived from human NR5A1. AA range:169-218
<b>Specificity :</b>	SF-1 Polyclonal Antibody detects endogenous levels of SF-1 protein.
<b>Formulation :</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Source :</b>	Polyclonal, Rabbit,IgG
<b>Dilution :</b>	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000

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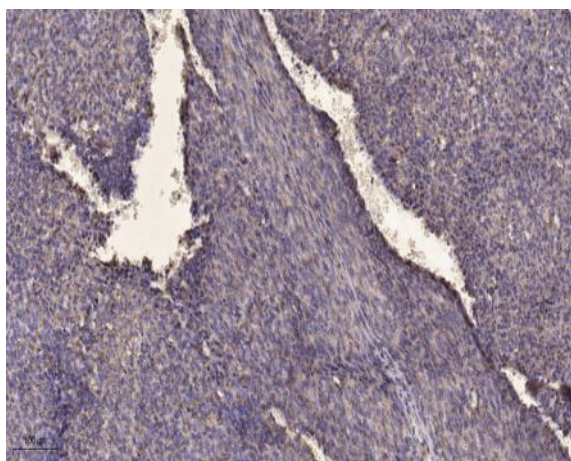
<b>Purification :</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Concentration :</b>	1 mg/ml
<b>Storage Stability :</b>	-15°C to -25°C/1 year(Do not lower than -25°C)
<b>Observed Band :</b>	50kD
<b>Background :</b>	The protein encoded by this gene is a transcriptional activator involved in sex determination. The encoded protein binds DNA as a monomer. Defects in this gene are a cause of XY sex reversal with or without adrenal failure as well as adrenocortical insufficiency without ovarian defect. [provided by RefSeq, Jul 2008],
<b>Function :</b>	disease:Defects in NR5A1 are a cause of adrenocortical insufficiency without ovarian defect [MIM:184757]. The disease is characterized by severe 'slackness,' muscular hypotonia. There is decreased sodium, increased potassium and elevated ACTH.,disease:Defects in NR5A1 are a cause of XY sex reversal with or without adrenal failure [MIM:184757]. This disease is characterized by normal female external genitalia and retention of the uterus.,function:Transcriptional activator. Seems to be essential for sexual differentiation and formation of the primary steroidogenic tissues. Binds to the Ad4 site found in the promoter region of steroidogenic P-450 genes such as CYP11A, CYP11B and CYP21B. Also regulates the Mullerian inhibiting substance (AMH) gene as well as the AHCH and STAR genes. 5'-YCAAGGYC-3' and 5'-RRAGGTCA-3' are the consensus sequences for the recognition by NR5A1/FTZF1. The SFPQ-NO
<b>Subcellular Location :</b>	Nucleus .
<b>Expression :</b>	High expressed in the adrenal cortex, the ovary, the testis, and the spleen (PubMed:9177385).

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## Products Images



Western blot analysis of lysates from rat lung, using STF-1 Antibody. The lane on the right is blocked with the synthesized peptide.



Immunohistochemical analysis of paraffin-embedded human Colon cancer. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).